

**SNL201212C-Series**

**FEATURES**

- Utilizing miniaturized winding structure.
- These products provide high Q characteristics
- Resin-coated surface enables excellent mounting.
- Low DC resistance design is ideal for low loss
- Precision inductance tolerance is available.



**APPLICATIONS**

- Personal computer, Hard disk drives.
- ADSL modem and Cable modem
- Digital camera and other electronic equipment.

**PRODUCT IDENTIFICATION**

**SNL 201212 C - 1R0 - J - E**

(1) (2) (3) (4) (5) (6)

(1) Product name

(2) Type : 201212 : 2.0 x 1.2 x 1.2

(3) S:Signal type ; C:Current type



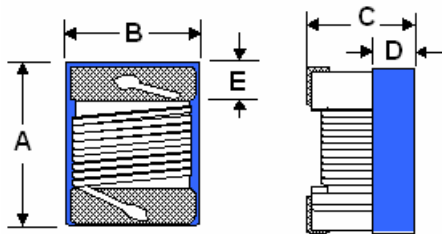
(4) Inductance , 1R0 :1.0uH, 100 : 10uH

(5) Tolerance,  
K : ±10% , M : ±20%

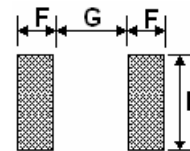
(6) Lead free , RoHS compliant.

**SHAPES AND DIMENSIONS (mm)**

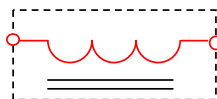
**RECOMMENDED FOOTPRINT**



- A : 2.4 max.
- B : 1.6 max.
- C :1.4 max.
- D : (0.51)
- E : 0.45 ± 0.1
- F : 0.9
- G : 1.0
- L : 1.8



**Equivalent circuit**



**No Polarity**

## SNL 201212C- Series

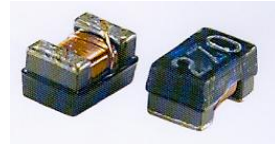
Our Product Part Number	Inductance (nH)/MHz	Inductance Tolerance	Q/MHz Min.	SRF(Min.) (MHz)	DCR ( $\Omega$ )Max.	IDC Max. (mA)
SNL201212C-R47□-E	0.47/7.96	K . M	10/7.96	720	0.20	750
SNL201212C-R56□-E	0.56/7.96	K . M	10/7.96	665	0.21	730
SNL201212C-R68□-E	0.68/7.96	K . M	10/7.96	565	0.28	670
SNL201212C-R82□-E	0.82/7.96	K . M	10/7.96	545	0.31	650
SNL201212C-1R0□-E	1.0/7.96	K . M	10/7.96	525	0.34	615
SNL201212C-1R2□-E	1.2/7.96	K . M	10/7.96	473	0.39	550
SNL201212C-1R5□-E	1.5/7.96	K . M	10/7.96	300	0.45	520
SNL201212C-1R8□-E	1.8/7.96	K . M	10/7.96	230	0.48	500
SNL201212C-2R2□-E	2.2/7.96	K . M	10/7.96	215	0.67	420
SNL201212C-2R7□-E	2.7/7.96	K . M	10/7.96	140	0.74	410
SNL201212C-3R3□-E	3.3/7.96	K . M	10/7.96	95	0.81	385
SNL201212C-3R9□-E	3.9/7.96	K . M	10/7.96	57	0.88	372
SNL201212C-4R7□-E	4.7/7.96	K . M	10/7.96	51	0.99	345
SNL201212C-5R6□-E	5.6/7.96	K . M	10/7.96	44	1.06	335
SNL201212C-6R8□-E	6.8/7.96	K . M	10/7.96	39	1.21	315
SNL201212C-8R2□-E	8.2/7.96	K . M	10/7.96	33	1.33	295
SNL201212C-100□-E	10/2.52	K . M	10/2.52	30	1.79	260
SNL201212C-120□-E	12/2.52	K . M	10/2.52	27	1.98	250
SNL201212C-150□-E	15/2.52	K . M	10/2.52	22	2.68	215
SNL201212C-180□-E	18/2.52	K . M	10/2.52	20	3.12	195
SNL201212C-220□-E	22/2.52	K . M	10/2.52	18	3.48	180
SNL201212C-330□-E	33/2.52	K . M	10/2.52	15	4.34	145
SNL201212C-470□-E	47/2.52	K . M	10/2.52	10	5.14	100

1. Inductance, Q and SRF are measured in HP-E4991A impedance analyzer with HP-16197A fixture.

2. Tolerance : K=10% , M=20% (Table shows stock tolerances in □).

3. RDC is measured in Chroma 16502 mill ohm meter.(or equivalent)

4. I<sub>rms</sub> For 15°C rise from 25°C ambient.



## SNL 201212C- Characteristics(Reference)

